AWWA WLCC Free Water Audit S Copyright © 2010, American Water Works As			ng Worksheet WAS v4.1	Back to Instructions
Water Audit Perent for		·		
Click to access definition Water Audit Report for: Reporting Year:		7/2011 - 6/2012	ervices district	
Please enter data in the white cells below. Where available, metered values should be used; if metered values are unavailable please estimate a value. Indicate your confidence in the accuracy of				
the input data by grading each component (1-10) using the drop-down list to the left of the input cell. Hover the mouse over the cell to obtain a description of the grades All volumes to be entered as: ACRE-FEET PER YEAR				
WATER SUPPLIED				
Volume from own sources:	. ? 7	1,587.420	,	
Master meter error adjustment (enter positive value): Water imported:		113.090	under-registered	acre-ft/yr
Water imported: Water exported:			acre-ft/yr acre-ft/yr	
WATER SUPPLIED:		1,700.510	acre-ft/yr	
AUTHORIZED CONSUMPTION				Click here:
Billed metered: Billed unmetered:		1,232.000	*	for help using option buttons below
Billed unmetered: Unbilled metered:		6.100	acre-ft/yr acre-ft/yr Pcnt:	
Unbilled unmetered:	: ?	21.256	acre-ft/yr 1.25%	7417 1
Default option selected for Unbilled unmeter			plied but not displayed	Use buttons to select
AUTHORIZED CONSUMPTION:		1,259.356	acre-ft/yr	percentage of water supplied OR
WATER LOSSES (Water Supplied - Authorized Consumption	in)	441.154	acre-ft/yr	value
Apparent Losses			Pcnt:	
Unauthorized consumption:		4.251	-	
Default option selected for unauthorized consumpt				770
Customer metering inaccuracies: Systematic data handling errors:		2.500	-	<u> </u>
				Choose this option to enter a percentage of
Apparent Losses:	?	6.751		billed metered consumption. This is
Real Losses (Current Annual Real Losses or CARL)				NOT a default value
Real Losses = Water Losses - Apparent Losses:		434.402	acre-ft/yr	
WATER LOSSES:		441.154	acre-ft/yr	
NON-REVENUE WATER NON-REVENUE WATER:		468.510	acre-ft/yr	
= Total Water Loss + Unbilled Metered + Unbilled Unmetered				
SYSTEM DATA Length of mains:	? 10	125.0	miles	
Number of <u>active AND inactive</u> service connections:	: ? 9	8,328	miles	
Connection density: <u>Average</u> length of customer service line:		67		between curbstop and customer
			meter or prope	perty boundary)
Average operating pressure:	: ? 8	89.5	psi	
COST DATA Total annual cost of operating water system:	? 10	\$5,934,101		
Total annual cost of operating water system: Customer retail unit cost (applied to Apparent Losses):		\$3,333,101	\$/Year \$/100 cubic feet (ccf)	
Variable production cost (applied to Real Losses):			\$/acre-ft/yr	
PERFORMANCE INDICATORS Financial Indicators				
Financial Indicators Non-revenue water as percent by volume of Water Supplied: 27.6%				
Non-revenue water as percent by	y cost of o	operating system:	0.0%	
Annual cost of Apparent Losses: \$0 Annual cost of Real Losses:				
Operational Efficiency Indicators				
Apparent Losses per s	service con	nnection per day:	0.72 gallon	ns/connection/day
Real Losses per se	ervice conn	nection per day*:	46.57 gallon	ns/connection/day
Real Losses pe	er length c	of main per day*:	N/A	
Real Losses per service connection				ns/connection/day/psi
		al Losses (UARL):		on gallons/year
_				
From Above, Real Losses = Curre				on gallons/year
? Infrastructure Leakage Index (ILI) [CARL/UARL]: 2.25				
* only the most applicable of these two indicators will be calculated				
WATER AUDIT DATA VALIDITY SCORE:				
*** YOUR SCORE IS: 79 out of 100 ***				
A weighted scale for the components of consumption and water loss is included in the calculation of the Water Audit Data Validity Score				
PRIORITY AREAS FOR ATTENTION:				
Based on the information provided, audit accuracy can be improved by addressing the following components:				
1: Volume from own sources	1			
2: Unauthorized consumption	E	or more information, o	click here to see the Grading Mat	trix worksheet
3: Systematic data handling errors	i —			